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Water-Data Report 2006

## 12202450 SILVER BEACH CREEK AT MAYNARD PLACE, AT BELLINGHAM, WA

Puget Sound Basin  
Strait of Georgia Subbasin

LOCATION.--Lat 48°46'10", long 122°24'19" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.22, T.38 N., R.3 E., Whatcom County, WA, Hydrologic Unit 17110002, on left bank at Maynard Place subdivision, 3.5 mi east of Post Office in Bellingham, and 0.1 m upstream from mouth at Lake Whatcom.

DRAINAGE AREA.--1.20 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 320 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Probably some diversion upstream for domestic use, and other effects from urbanization.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--5 years (water year 2002-06) 1.39 ft<sup>3</sup>/s, 15.71 in/yr, 1,010 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71 ft<sup>3</sup>/s, Nov. 24, 2004, gage height, 6.58 ft; minimum discharge, no flow, many days June and July 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18 ft<sup>3</sup>/s, Jan 10, gage height, 6.31 ft; minimum discharge, 0.01 ft<sup>3</sup>/s, Sep 8, gage height, 4.48 ft.

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**12202450 SILVER BEACH CREEK AT MAYNARD PLACE, AT BELLINGHAM, WA—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.14	3.0	1.8	4.7	3.5	0.91	0.93	0.78	0.48	0.18	e0.05	0.03
<b>2</b>	0.14	1.6	1.4	3.9	2.6	0.87	0.64	0.54	0.48	0.18	e0.04	0.03
<b>3</b>	0.18	1.3	1.2	3.4	2.1	0.77	0.54	0.46	0.30	0.18	e0.04	0.03
<b>4</b>	0.13	1.7	1.0	2.6	5.1	0.67	0.57	0.41	0.77	0.18	0.04	0.02
<b>5</b>	0.10	2.3	1.3	3.7	5.4	0.60	0.47	0.37	1.0	0.17	0.03	0.02
<b>6</b>	0.35	3.7	e1.4	4.7	2.9	0.58	0.41	0.34	0.57	0.17	0.03	0.02
<b>7</b>	0.40	1.8	e1.1	4.4	2.2	0.52	0.39	0.70	0.44	0.17	0.03	0.02
<b>8</b>	0.22	1.5	e0.89	3.6	2.0	0.77	0.38	0.38	0.83	0.17	0.03	0.02
<b>9</b>	0.18	1.1	e0.79	5.5	1.5	1.1	0.84	0.33	0.87	0.17	0.08	0.19
<b>10</b>	0.28	1.4	e0.79	12	1.3	1.5	0.74	0.30	0.52	0.16	0.22	0.04
<b>11</b>	0.21	1.5	e0.79	8.1	1.1	1.0	0.57	0.29	0.46	0.18	0.04	0.03
<b>12</b>	0.19	1.3	e0.93	7.2	0.96	0.80	0.60	0.29	0.35	0.31	0.04	0.03
<b>13</b>	0.19	1.7	e0.93	6.6	1.2	0.68	0.69	0.26	0.63	0.10	0.03	0.03
<b>14</b>	0.19	1.4	e0.75	4.6	0.92	0.65	2.1	0.24	0.45	0.08	0.03	0.05
<b>15</b>	0.38	1.1	e0.67	3.2	0.79	0.59	1.8	0.23	0.40	0.07	0.03	0.03
<b>16</b>	0.46	1.0	0.53	4.5	0.72	0.60	1.9	0.22	0.39	0.06	0.03	0.03
<b>17</b>	1.6	0.85	0.49	5.3	0.66	0.54	1.1	0.21	0.35	0.06	0.03	0.03
<b>18</b>	0.79	0.76	0.43	3.8	0.61	0.50	0.93	0.21	0.30	0.06	0.03	0.05
<b>19</b>	0.65	0.71	0.51	3.3	0.57	0.47	0.77	0.20	0.28	0.06	0.03	0.46
<b>20</b>	0.45	0.61	0.83	3.8	0.58	0.45	0.73	0.28	0.26	0.05	0.03	0.16
<b>21</b>	0.33	0.57	0.88	2.8	0.56	0.42	1.9	0.24	0.26	0.06	0.03	0.06
<b>22</b>	0.28	0.54	2.1	2.4	0.59	0.41	1.0	0.57	0.24	0.06	0.03	0.03
<b>23</b>	0.52	0.52	2.4	2.3	3.1	0.39	0.83	0.37	0.22	0.05	0.03	0.03
<b>24</b>	0.37	0.57	3.3	2.0	1.4	0.50	0.68	0.36	0.22	0.05	0.03	0.03
<b>25</b>	0.30	3.4	6.2	2.0	1.1	0.39	0.56	0.55	0.21	e0.05	0.02	0.03
<b>26</b>	0.43	3.1	4.2	2.9	1.2	0.38	0.58	0.41	0.21	e0.04	0.02	0.03
<b>27</b>	0.30	2.1	3.7	2.1	1.2	0.36	0.55	0.38	0.19	e0.04	0.02	0.03
<b>28</b>	0.55	1.6	4.2	2.3	1.1	0.63	0.51	0.55	0.19	e0.04	0.02	0.03
<b>29</b>	0.65	2.2	3.3	4.5	---	0.44	1.0	0.39	0.19	e0.05	0.02	0.03
<b>30</b>	0.49	2.1	3.1	7.2	---	0.44	0.72	0.31	0.20	e0.06	0.07	0.03
<b>31</b>	2.1	---	4.3	3.3	---	0.39	---	0.27	---	e0.05	0.03	---
<b>Total</b>	13.55	47.03	56.21	132.7	46.96	19.32	25.43	11.44	12.26	3.31	1.23	1.65
<b>Mean</b>	0.44	1.57	1.81	4.28	1.68	0.62	0.85	0.37	0.41	0.11	0.04	0.06
<b>Max</b>	2.1	3.7	6.2	12	5.4	1.5	2.1	0.78	1.0	0.31	0.22	0.46
<b>Min</b>	0.10	0.52	0.43	2.0	0.56	0.36	0.38	0.20	0.19	0.04	0.02	0.02
<b>Ac-ft</b>	27	93	111	263	93	38	50	23	24	6.6	2.4	3.3
<b>Cfsm</b>	0.36	1.31	1.51	3.57	1.40	0.52	0.71	0.31	0.34	0.09	0.03	0.05
<b>In.</b>	0.42	1.46	1.74	4.11	1.46	0.60	0.79	0.35	0.38	0.10	0.04	0.05

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2006, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	1.08	2.77	2.57	3.59	3.15	1.36	1.47	0.35	0.15	0.07	0.09	0.13
<b>Max</b>	3.31	5.80	4.47	4.44	9.40	2.08	3.01	0.55	0.41	0.11	0.24	0.39
(WY)	(2004)	(2005)	(2002)	(2005)	(2002)	(2002)	(2005)	(2003)	(2006)	(2006)	(2004)	(2004)
<b>Min</b>	0.11	0.39	0.72	2.43	1.52	0.62	0.31	0.21	0.03	0.00	0.02	0.04
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2006)	(2004)	(2005)	(2004)	(2004)	(2003)	(2003)

**12202450 SILVER BEACH CREEK AT MAYNARD PLACE, AT BELLINGHAM, WA—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2005</b>	<b>Water Year 2006</b>	<b>Water Years 2002 - 2006</b>	
<b>Annual total</b>	435.49	371.09		
<b>Annual mean</b>	1.19	1.02	1.39	
<b>Highest annual mean</b>			1.97	2002
<b>Lowest annual mean</b>			0.75	2003
<b>Highest daily mean</b>	25	Jan 18	12	Jan 10
<b>Lowest daily mean</b>	0.02	Jul 19	0.02	Aug 25
<b>Annual seven-day minimum</b>	0.02	Aug 3	0.02	Aug 23
<b>Maximum peak flow</b>			68	Feb 22, 2002
<b>Maximum peak stage</b>			5.57	Feb 22, 2002
<b>Annual runoff (ac-ft)</b>	864	736	1,010	
<b>Annual runoff (cfs-m)</b>	0.994	0.847	1.16	
<b>Annual runoff (inches)</b>	13.50	11.50	15.71	
<b>10 percent exceeds</b>	2.3	3.1	3.2	
<b>50 percent exceeds</b>	0.41	0.50	0.47	
<b>90 percent exceeds</b>	0.04	0.03	0.03	

